



## SEQUENCE LISTING

<110> Punnonen, Juha  
Stemmer, Willem P.C.  
Howard, Russell  
Patten, Phillip A.

<120> Targeting of Genetic Vaccine Vectors

<130> 02-030210US

<140> 09/247,886

<141> 1999-02-10

<150> US 60/074,294

<151> 1998-02-11

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 375

<212> DNA

<213> Escherichia coli

<220>

<223> E. coli enterotoxin B

<400> 1

```
atgaataaag taaaatgtta tgttttattt acggcggttac tctcctctct atgtgcatac 60
ggagctcccc agtctattac agaactatgt tcggaatatc gcaacacaca aatatatacg 120
ataaatgaca agatactatc atatacggaa tcgatggcag gcaaaagaga aatgggttatc 180
attacattta agagcggcgc aacatttcag gtcgaagtcc cgggcagtca acatatagac 240
tccccaaaaa aagccattga aaggatgaag gacacattaa gaatcacata tctgaccgag 300
accaaaattg ataaattatg tgtatggaat aataaaaccc ccaattcaat tgcggcaatc 360
agtatgaaaa actag                                     375
```

<210> 2

<211> 375

<212> DNA

<213> Escherichia coli

<220>

<223> E. coli enterotoxin B (porcine)

<400> 2

```
atgaataaag taaaatgtta tgttttattt acggcggttac tctcctctct atatgcacac 60
ggagctcccc agactattac agaactatgt tcggaatatc gcaacacaca aatatatacg 120
ataaatgaca agatactatc atatacggaa tcgatggcag gcaaaagaga aatgggttatc 180
attacattta agagcggcga aacatttcag gtcgaagtcc cgggcagtca acatatagac 240
tcccgaaaaa aagccattga aaggatgaag gacacattaa gaatcacata tctgaccgag 300
accaaaattg ataaattatg tgtatggaat aataaaaccc ccaattcaat tgcggcaatc 360
agtatgaaaa actag                                     375
```

<210> 3

<211> 375

<212> DNA

<213> Vibrio cholerae

<220>

<223> cholera toxin subunit B

<400> 3

```
atgattaaat taaaatttgg tgtttttttt acagttttac tatcttcagc atatgcacat 60
ggaacacctc aaaatattac tgatttgtgt gcagaatacc acaacacaca aatacatacg 120
ctaaatgata agatattttc gtatacagaa tctctagctg gaaaaagaga gatggctatc 180
attactttta agaatggtgc aacttttcaa gtagaagtac caggtagtca acatatagat 240
tcacaaaaaa aagcgattga aaggatgaag gataccctga ggattgcata tcttactgaa 300
gctaaagtcg aaaagttatg tgtatggaat aataaaacgc ctcatgcgat tgccgcaatt 360
agtatggcaa attaa                                     375
```

<210> 4

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Cys-2His-2 zinc  
finger found in TFIIIA

<400> 4

Cys Cys His His

1

<210> 5

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Zn-2(Cys)-6  
cluster found in yeast Gal4

<400> 5

Cys Cys Cys Cys Cys Cys

1

5

<210> 6

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Cys-3His box  
found in retroviral nucleocapsid proteins

<400> 6

Cys Cys Cys His

1

<210> 7  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Zn-2(Cys)-8  
cluster found in nuclear hormone receptor-type  
proteins

<400> 7  
Cys Cys Cys Cys Cys Cys Cys Cys  
1 5